

[INTELLIGENT ERROR CHECKING METHOD AND MECHANISM]

Abstract of Disclosure

An intelligent MP3 error check detection method and apparatus. The claimed invention discloses an apparatus and method where all MP3 files are initially assumed to have compatible error checksums. A parameter W is initialized to zero. The parameter W is not constant and conceptually represents a state of the error check method. The destructive value of a first predefined constant is added to the parameter W each time the integrity of the data within the frame cannot be verified. The constructive value of a second predefined constant is subtracted from the parameter W each time the integrity of the data within the frame is successfully verified. If the value of the parameter W equals or exceeds a predefined threshold, the remainder of the MP3 file is decoded and played without error check protection.

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Figures

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